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From: WaterISAC
Sent: Wed 1/15/2014 9:47:43 PM
Subject: WaterISAC Pro Daily Update - January 15, 2014

Not for Public Dissemination

January 15, 2014

Welcome to first issue of the WaterISAC Pro Daily Update, replacing the WaterISAC Pro Weekly. The Daily Update will provide members with more timely notice of threat information and new material posted on the WaterISAC secure portal. The Daily Update will be distributed each weekday with the exception of public holidays and special events. However, WaterISAC will issue alerts or advisories outside of this schedule when warranted.

Water sector incidents and current threats

Elk River, West Virginia Contamination Response

- **The “Do Not Use” water order has been lifted for customers in Alum Creek, Upper Falls, areas in Kanawha and Putnam counties, Sissonville, and areas around Grandview and Allen's Route.**
 - **Water restrictions were previously lifted in downtown Charleston, East End, Kanawha City, South Charleston, North Charleston, Edgewood, Southridge, Southside, and the George Washington area around South Hills.**
- **West Virginia American Water reports as of 2 p.m. ET on January 14, there was no detection of 4-methylcyclohexane methanol in the raw or unfinished water at its Kanawha Valley plant.**
- **Communities along the Ohio River as far west at Cincinnati, Ohio are taking precautions and monitoring the water supply for any chemical contamination.**
 - **The mayor of Cincinnati ordered the Ohio River intakes to be closed for 20 hours to allow any potential chemicals to pass through the area. Supplemental water is being provided from the Bolton Water Plant in Fairfield, Ohio. That plant's water sources will not be affected.**
- **The United States Coast Guard reports the safety zone remains in effect for the Elk River, with no reported impacts to commercial traffic.**
- **FEMA reports all West Virginia state requirements for food and water have been met, and all inbound shipments have ceased.**

[Read more on the WaterISAC Portal](#)

General Security

Survey of Security Incidents in the Water Sector: July - December

2013

WaterISAC needs your help to develop the upcoming semi-annual analysis of water sector security incidents and suspicious activities in the water sector, covering July 1 - December 31, 2013. The survey asks questions about the number and types of incidents both experienced and prevented at your organization and seeks information on the types of products and services that would most assist your security preparedness and resilience strategies. The deadline for responses is Tuesday, January 21, 2014, so please take a few moments to complete the survey.

[Access the survey on the WaterISAC Portal](#)

(U//FOUO) Super Bowl XLVIII Event Assessment

The New Jersey Regional Operations and Intelligence Center has produced a document discussing the events, venues, threat situation, and protective measures related to Super Bowl XLVII, which will be played at the MetLife Stadium in East Rutherford, N.J. on Sunday, February 2. Partners are reminded that this document is marked For Official Use Only; it is not be shared beyond those with an official need to know and should not be released to the media or the public. (*Restricted to U.S. entities.*)

[Read more on the WaterISAC Portal](#)

U.S. State Department Releases Travel Alert for Sochi Olympics

The U.S. Department of State alerts citizens planning to attend the 2013 Olympic Games in Russia that they should remain attentive regarding their personal security at all times. The alert notes that large-scale public events such as the Olympics present an attractive target for terrorists. Although Russian authorities have noted they are taking appropriate security measures, a history of terrorist attacks, including three recent suicide bombings in the city of Volgograd, have raised concerns that civilians may again be targeted for this high-profile event. [U.S. Department of State](#).

Interview with FBI Legal Attaché in Nairobi on Westgate Mall Attack

Dennis Brady, the FBI Legal Attaché in Nairobi, has indicated in an interview posted on the FBI's website that the FBI believes the four gunmen were killed inside the Westgate shopping mall. Brady cites the lack of evidence of the gunmen escaping, the discovery of three sets of remains, the establishment of a very secure crime scene perimeter around the mall by Kenyan authorities, and the lack of a celebration of the gunmen's escape as reasons for this belief. This perspective differs from that offered earlier by the New York Police Department (and reported on by WaterISAC on December 17: [click here](#)), which noted that the gunmen may have escaped the scene. [FBI](#).

RESILIENCE

How Climate Change Could Affect Water Scarcity

In a study published in Proceedings of the National Academy of Sciences, scientists warn that water is among the most worrying of living conditions that will be affected by climate change. The report indicates that climate-driven changes in evaporation, precipitation and run-off will result in a 40% increase in the number of people worldwide who must make do with less than 500 cubic meters of water per year — a commonly used threshold to signify ‘absolute’ water scarcity.

[Read more on the WaterISAC Portal](#)
CYBERSECURITY

Proposed Industrial Control System Security Curriculum

A recently released academic paper from a team of researchers provides details for a suggested training and education program for control system engineers and information technology professionals. The researchers discuss a postgraduate curriculum of four courses to provide the necessary knowledge and skills to protect critical infrastructure industrial control systems, which are increasingly viewed as extremely vulnerable in today’s cyber threat landscape.

[Read more on the WaterISAC Portal](#)

Java Version of Icefog Espionage Campaign Hit 3 U.S. Oil and Gas Companies

The Icefog espionage campaign involved hit-and-run attacks against the defense supply chains of Japan and South Korea. The attacks are believed to have been executed by a small group that knew what it needed from each operation; once its objectives were achieved, the targets were abandoned. Although Icefog went dark in September 2013, research has uncovered the attackers also had a Java version of the campaign that was used to target three oil and gas companies in the United States. Researchers believe individuals in these companies were likely duped by a phishing email that contained an Office exploit. [Threatpost](#)

NCCIC Weekly Analytic Synopsis Product

This week’s report covers a new phishing campaign that uses a 2013 compromise as a lure, a backdoor vulnerability identified in multiple internet routers, McAfee’s prediction of more sophisticated ransomware campaigns in 2014, the \$9.84 credit card scam, a follow-on to an earlier article about an increase in DDoS activity using NTP reflection, a defacement attack against OpenSSL that shines light on hypervisor architecture, cyber criminals expanding their target list, malicious advertisements hosted on a popular video site, and

metrics on Federal cybersecurity incidents. (Restricted to U.S. entities.)

[Read more on the WaterISAC Portal](#)

Today's Events

None

Upcoming Events

Water Sector Cyber Threat Briefing by WaterISAC

Tuesday, January 28, 2014, 2-3 PM ET

On January 28, 2014, WaterISAC will host the monthly Water Sector Cyber Threat Briefing. The webcast will cover industrial control system security incidents and emerging threats, new industrial control system vulnerabilities in the water sector, situational awareness updates and opportunities for additional support and learning. The webcast will feature presentations from Cavron Mortensen, U.S. Department of Homeland Security ICS CERT; Jeffrey Ashcraft, Critical Intelligence; and Salim Neino, Kryptos Logic.

Information and registration

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